

GOLUBEV, D.B.; ZUBZHITSKIY, Yu.N.; ZVEREVA, Ye.P.; SIMANOVSKAYA, V.K.;
LIPINA, N.V.; YABROV, A.A.

Change in cellular permeability in the process of symplasm
formation induced by some viruses in the tissue. Vop. virus.
10 no.5:544-550 8-0 '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut vaktsin i syvorotok
i Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

ZUCA, STEFANIA

4
/ The electrical conductivity of binary mixtures of molten salts. Systems: $\text{KNO}_3 + \text{NaNO}_3$, $\text{Ba(NO}_3)_2 + \text{KNO}_3$, $\text{MnCl}_2 + \text{KCl}$. I. G. Murgulescu and Stefania ZUCA (Chem. Research Centre, Acad. R.P.R., Bucharest, Romania). *Acad. rep. populare Romane, Studii de chimie*, 7, 325-38 (1959).—Cond. was measured by an app. with a Kohlrausch bridge, precise to within 1%. For the system $\text{MnCl}_2 + \text{KCl}$ the cells were modified to allow bubbling of HCl gas through the molten mixt. in order to avoid the formation of the Mn oxychloride and oxide. Mol. cond. of all 3 mixts. shows a neg. deviation from the rule of additivity. For the 1st and 2nd mixts. the deviations are small, and are due to ionic interaction. For $\text{MnCl}_2 + \text{KCl}$ the deviations are large, because of chem. reaction as well as ionic interaction. The relations established or used in this work are based on the concept of complete dissocn. of the molten salts to ions. T. Dumas

MURGULESCU, I. G.; ZUCA, St.

Viscosity of individual salts in the melted stage. Pt. β . Rev
chimie Roum 10 no.2:123-128 F '65.

Viscosity of the binary mixtures of melted salts. Ibid.:129-139

1. Physical Chemistry Research Center, 23 Dumbrava Rosie St.,
Bucharest. Submitted August 27, 1964.

MURGULESCU, I.G., acad.; ZUCA, St.

Electric conductivity of the binary-salt mixtures in molten state;
the systems $\text{KNO}_3 + \text{NaNO}_3$; $\text{Ba}(\text{NO}_3)_2 + \text{KNO}_3$; $\text{MnCl}_2 + \text{KCl}$. Rev chimie 4
no.2:227-241 '59. (EPAI 9:7)

1. Comite de redaction, Revue de Chimie; mitglied der Akademie
der Rumanischen Volksrepublik (for Murgulescu)
(Salts) (Mixtures) (Potassium nitrate)
(Sodium nitrate) (Barium nitrate)
(Manganese chlorides) (Potassium chloride)
(Electric conductivity)

BELEAEV, A.I. [Belyayev, A.I.]; ZUCA, Stefania

A Rumanian-Soviet scientific conference on the theme "Physical Chemistry of Melted Electrolytes." *Analala chimie* 17 no.4: 177-181 C-D '62.

1. Membru corespondent al Academiei de Stiinta a U.R.S.S. (for Belyayev).

MURGULESCU, I. G., acad.; ZUCA, Stéfania

Inner friction of cryolites. Rev chimie 6 no.1:21-27 '61.

1. Membre du Comité de rédaction "Revue de chimie" (for Murgulescu)

MURGULESCU, I. G., acad.; ZUCA, Stefania

On the viscosity of cryolite. Studii cerc chim 9 no.1:55-61 '61.
(EAI 10:9)

1. Centrul de cercetari chimice al Academiei R.P.R., Sectia de chimie-
fizica. 2. Comitetul de redactie, STUDII SI CERCETARI DE CHIMIE (for
Murgulescu).

(Cryolite) (Viscosity)

ZUCHA, J.; ZATKO, J.

Some experiences in the technology of electroerosive machining. p. 537.
(TECHNICKA PRACA, Vol. 9, No. 8, Aug 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

ZUCHA, J.

Production and repairs of forging dies on a VJK 2 machine by electroerosion. p. 487.

STROJIRENSKA VYROBA. (Ministerstvo teskeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia, Vol. 7, no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 1, Jan, 1960

Uncl.

ZUCHA, Josef (Bratislava, ul. Narod. povstania 6)

Treatment of total stricture of the esophagus due to burns)
Lek. obsor 3 no.1-2:29-32 1954.

1. Z Chirurgickej kliniky detskeho veku SU v Bratislave.
(ESOPHAGUS, stenosis,
*caustic, surg.)

ZUCHA, Jozef (Bratislava, ul. Narod. povstania 6)

Congenital atresia of the esophagus. Lek. obraz 3 no.1-2:32-37
1954.

1. Z chirurgickej kliniky detskeho veku SU v Bratislave.
(ESOPHAGUS, abnormalities,
*atresia)
(ABNORMALITIES,
*esophagus, atresia)

ZUCHA, J.

Little's disease and surgery. Neur. psychiat. čas. 17 no.5:265-
270 Oct 54.

1. Neurochir. odd. klin. ped. chir. SU v Bratislave; predn. Dr.
J. Zucha.

(CEREBRAL PALSY, surgery
revascularisation by carotid-jugular anastomosis)

ZUCHA, J. Doc.; KAMENSKY, P. Dr.; PEKAROVIC, M. Dr.

Severe enterocolitis with perforation in newborn & in delicate infants. Rozhl. chir. 36 no.3:177-180 Mar 57.

I. II. Detska klinika (doc. M. Michalickova) a klinika pediatrickej chirurgie (doc. Dr. J. Zucha) LFUK v Bratislav.
(COLITIS, in inf. & child
newborn, with perf. (Gz))
(INFANT, NEWBORN, dis.
colitis with perf. (Gz))

ZUCHA, J.

Malformation of the diaphragm. Cesk. pediat. 14 no.2:119-122 5 Feb 59.
1. Klinika pre detsku a mozgovu chirurgiu Lek. Fakulty MU v Bratislave,
prednosta doc. dr. Jozef Zucha.
(DIAPHRAGM, abnorm.
statist. (Gx))

ZUCHA, J.; CIGANEK, L.

Possibility of surgical therapy of focal epilepsy in children. Cesk. pediat. 14 no.3:220-229 5 Mar 59.

1. Klinika pre detsku a mozgovu chirurgiu Lek. fak. UK v Bratislave, prednosta doc. MUDr. J. Zucha Ustav experimentalnej mediciny SAV v Bratislava, riaditel clen korezp. SAV JB Antal, veduci oddelenia klinickej elektrofysiologie clen korezp. SAV JB Cernasek, (EPILEPSY, in inf. & child, focal, surg. (Cz))

ZUCHA, J.

Pathological communication of the intracranial cavity following injury.
Rozhl. chir. 38 no.4:237-242 Apr 59.

1. Klinika pre detsku a mozgovu UK v Bratislave, prednosta doc. MUDr.
J. Zucha.

(BRAIN, wds. & inj.
causing arteriovenous fistulae, defects of dura mater
& bone assoc. with possible escape of CSF (Cs))

ZUCHA, Jozef

What should we expect from vegetative screening in neurosurgery.
Roahl. chir. 38 no.11:745-749 Nov 59.

1. Klinika pre detsku a mozgovu chirurgiu UK v Bratislave, prednosta
doc. dr. J. Zucha.
(NEUROSURGERY)

ZUCHA, J.

On the problem of the surgical treatment of inflammatory hydrocephalus. Cesk.nour.23 no.6:403-405 0'60.

1. Klinika detskej a mozgovej chirurgie UK, Bratislava, prednosta doc.dr. Josef Zucha.
(HYDROCEPHALUS surg)

ZUCHA, J.

Peritonitis in children, Cesk. pediat. 16.no.12:1057-1063 D '61.

1. Klinika detskej chirurgie LFUK v Bratislave, prednosta doc. MUDr.
J. Zucha.

(PERITONITIS in inf & child)

ZUCHA J.; CERNACEK, J.

An attempt to restore conductivity in the spinal cord after traumatic section. Cesk. neur. 24 no.5:324-328 S '61.

1. Klinika detskej a mozgovej chirurgie LFUK, prednosta doc. dr. J. Zucha, Neurologicka klinika LFUK v Bratislave, prednosta clen koresp. SAV prof. dr. J. Cernacek.

(SPINAL CORD wds & inj)

1. Problems of the Medical Faculty, Vol. 1, No. 9, 1962
of Problems (Voprosy) Scientific Medicine (Moscow, 1962).
Editorial: Dr. S. M. S.
2. Problems of the Medical Faculty, Vol. 1, No. 9, 1962
of Problems (Voprosy) Scientific Medicine (Moscow, 1962).
Editorial: Dr. S. M. S.
3. Problems of the Medical Faculty, Vol. 1, No. 9, 1962
of Problems (Voprosy) Scientific Medicine (Moscow, 1962).
Editorial: Dr. S. M. S.
4. Problems of the Medical Faculty, Vol. 1, No. 9, 1962
of Problems (Voprosy) Scientific Medicine (Moscow, 1962).
Editorial: Dr. S. M. S.
5. Problems of the Medical Faculty, Vol. 1, No. 9, 1962
of Problems (Voprosy) Scientific Medicine (Moscow, 1962).
Editorial: Dr. S. M. S.
6. Problems of the Medical Faculty, Vol. 1, No. 9, 1962
of Problems (Voprosy) Scientific Medicine (Moscow, 1962).
Editorial: Dr. S. M. S.
7. Problems of the Medical Faculty, Vol. 1, No. 9, 1962
of Problems (Voprosy) Scientific Medicine (Moscow, 1962).
Editorial: Dr. S. M. S.

ZUCHA, J.,

On the problem of congenital malformations of the esophagus.
Cesk. otolaryng. 11 no.6:340-342 D '62.
(ESOPHAGUS)

ZUCHA, J.

Infratentorial extracerebellar expansive processes. Česk. neurol. 25
no.5:300-304 S '62.

1. Klinika detskej a mozgovej chirurgie Lekárskej fakulty UK v
Bratislave, prednosta doc. dr. J. Zucha.
(BRAIN NEOPLASMS) (BRAIN DISEASES)

ZUCHA, J.; GRUNERT, V.; HUPKA, M.; WINKLER, A.; CERNY, V.; CIGANEK, L.

Isolated perfusion of the brain with cytostatic drugs in the treatment of malignant cerebral neoplasms. Cesk. neurol. 25 no.5:342-347 S '62.

1. Klinika detskej a mozgovej chirurgie Lekárskej fakulty UK v Bratislave, prednosta doc. dr. J. Zucha. Laboratorium experimentalnej chirurgie Ustavu experimentalnej medicíny SAV v Bratislave, prednosta akademik K. Siska. Vyskumny ustav onkologicky v Bratislave, riaditel doc. dr. V. Thurzo.

(BRAIN NEOPLASMS) (ANTINEOPLASTIC AGENTS)
(PERFUSION)

ZUCHA, J.

On pediatric surgery. Rozhl. chir. 41 no.3:157-158 Nr '62.
(SURGERY OPERATIVE in inf & child)
(PEDIATRICS surg)

ZUCHA, J.

Traumatic cranial fistulae with liquorrhea and cranial vascular
fistulae Therapeutic results in 55 cases. Bratisl. lek. listy 42
no.9:548-555 '62.

1. Z Kliniky detskej a mozgovej chirurgie Lek. Fak. Univ. Komenského
v Bratislave, prednosta doc. MUDr J. Zucha.

(SKULL wds & inj) (FISTULA) (BRAIN blood supply)
(CEREBROSPINAL FLUID)

CZECHOSLOVAKIA

L. CIGANEK, J. ZUCHA and V. GRUNERT, Institute of Experimental Medicine of the Slovak Academy of Sciences (Ustav experimentálnej medicíny SAV). Chief (riediteľ) member-correspondent J. ANTAL; Department of Clinical Electrophysiology (Oddelenie klinickej elektrofyziológie) Head (vedúci) member-correspondent J. CERNACEK, and Clinic for Pediatric and Cerebral Surgery of the Medical Faculty of Comenius University (Klinika pre detskú a mozgovú chirurgiu Lekárskej fakulty UK [Univerzity Komenského]) Head (prednosta) Docent Dr J. ZUCHA, Bratislava.

"Experiences with Surgical Treatment of Epilepsy."

Prague, Casopis Lekaru Ceskych, Vol 102, No 6, 8 Feb 63; pp 146-151.

Abstract [English summary modified]: Data on 20 refractory epileptics treated by excision of the well-localized epileptogenic focal areas: 10 were cured or nearly cured, 5 improved, 5 unchanged. Discussion. Much further research is needed in preoperative selection of the most suitable patients for cerebral surgery in this disease. Table, diagram, 4 Czech and 9 Western references.

1/1

ZUCHA, J.

Our problem in prevention from the neurosurgical viewpoint.
Rozhl. chir. 44 no.2:83-87 F '65.

1. Neurochirurgické oddelenie Krajskeho ústavu národného
zdraví (vedúci: doc. dr. J. Zucha [deceased]).

ZUCHA, J.; GRUNERT, V.; HUEKA, M.

Treatment of malignant brain tumors by perfusion of cytostatics.
Bratisl. lek. listy 44 no.1:46-51 '64.

1. Neurochirurgické oddelenie KUNZ v Bratislave (vedúci doc.
MUDr. J. Zucha) a Laboratorium experimentalnej chirurgie UEM
SAV v Bratislave (vedúci akademik K. Siska).

*

ZUCHA, J.

Therapeutic results after isolation perfusion of the brain
with cytostatics in 10 patients with malignant brain tumors.
Cesk. neurol. 26 no.5:289-902 S '63.

1. Neurochirurgické oddelenie KUNZ v Bratislave, veduci doc.
dr. J. Zucha.

(ISOLATION PERFUSION)	(BRAIN NEOPLASMS)
(MENINGIOMA) (GLIOMA)	(CYCLOPHOSPHAMIDE)

CIGANEK, L.; ZUCHA, J.; GRUNERT, V.

Experiences in the surgical treatment of epilepsy. Cas. lek. česk.
102 no.6:146-151 8 F '63.

1. Ustav experimentalnej mediciny SAV v Bratislave, riaditel clen
koresep. SAV J. Antal Oddelenie klinickej elektrofyziologie, veduci
clen koresep. SAV J. Cernacek Klinika pre detsku a mozgovu chirurgiu
Lekarskej fakulty JK v Bratislave, prednosta doc. dr. J. Zucha.
(EPILEPSY) (NEUROSURGERY)

ZUCHA, J.

Vertebralgia and spinal tumors. Bratisl. lek. listy 43 no.2:109-115
'63.

1. Z Kliniky detskej a mozgovej chirurgie Lek. Fak. University Komenského
v Bratislave, prednosta doc. MUDr. J. Zucha.
(SPINAL NEOPLASMS) (BONE NEOPLASMS) (SPINAL CORD NEOPLASMS)
(MENINGIOMA) (NEURILEMMOMA) (NEOPLASM METASTASIS)
(PAIN)

CZECHOSLOVAKIA

ZUCHA, J., MD, Docent, director of the Neurosurgery Department (Neurochirurgické oddelenie), KUNZ [Krajský ústav národného zdravia; Kraj Institute of Public Health], Bratislava.

"Ten Cases of Malignant Brain Tumor Treated by Isolated Brain Perfusion With Cytostatics."

Prague, Ceskoslovenska Neurologie, Vol. XXVI(LIX), No 5, September 63, pp 289-292.

Abstract [Author's English summary]: Cytostatics (Endoxan) were applied, in addition to the usual surgical and radiation treatment, to ten patients, one with malignant meningeoma and nine with multiform glioblastoma. Patients were selected at different stages of the disease, but mainly during relapses. When perfusion was applied to soporous patients in a hopeless state, it was ineffective. Regional perfusion of the brain by cytostatics proved effective, however, both in relapses of glioblastoma and as first postoperational treatment. Cytostatics by perfusion should be applied in a series of treatments, as a single application gives only temporary results. One Czech reference.

ZUCHA, J.

(1)

CZECHOSLOVAKIA

ZUCHA, J; MD; KRAVCOVA, V.

Clinic of Child Surgery LFUK (Klinika detskej
chirurgie LFUK), Bratislava

Bratislava, Lekarsky obzor, No 4, 1963, pp 243-249

"Experiences Gained in the Therapeutic Activity of
the Clinic of Pediatric Surgery in Bratislava."

MURGULESCU, I.G.; ZUCA, St.

Viscosity of individual salts in the molten state. Pt. 3.
Studii cerc chim 12 no.2:109-113 F 165.

Viscosity of the binary mixtures of molten salts. Ibid.:115-125

I. Physical Chemistry Research Center, R. Acad. Sci., 29
Dumbrava Rosie St., Bucharest. Submission August 27, 1961.

ZUCHNIEWICZ, W.

The Poznan National Spring Fair '63; exhibited goods
are goods for sale. Przegl techn 84 no.13:3,4 31 Kr '63.

ZUCHNIEWICZ, M.

The Jubilee Leipzig Fair has been closed. Przegl. techn. 26 no. 12:6
21 Mar '65.

ZUCHNIEWICZ, Wacław

Effects of the Polish "Spring 65" fair. Przegl techn B6 no.1413
4 Ap '65.

ZUCHNIEWICZ, Wacław

Contacts with Moscow. Przegl techn 84 no.20:7 19 1/2 '63.

ZUCHNIEWICZ, Wacław

Successful finale of the 1963 Poznań National Spring Fair. Przegl
techn 84 no.14:7 7 Ap '63.

ZUCHNIEWICZ, Wacław, mgr

The Krakow region chosen as territory for the development of the metallurgical, chemical, and electric power producing industries. Przegl techn [84] no.9:7 3 Mr '63.

ZUCHNIEWICZ, Wacław

The Domestic Fair "Spring 1962." Przegl techn no.13:4 Ap '62.

ZUCHNIEWICZ, W.

Meeting with members of the Polish Sejm from the Krakow region.
Przegl tech [84] no.8:1 24 F '63.

ZUCHNIEWICZ, Wacław

Pattern designing and technological progress, a strong mark of
the national fairs. Przegl techn no.40:9 7 0 '62.

ZUCHNIEWICZ, Wacław

Crucial problems of industry as seen by the members of Parliament
during their discussions in the Sejm. Przegl techn 85 no.3:1, 3
19 Ja '64.

ZUCHNIEWICZ, W.

The city of Wlclawek derives much benefit from its engineers; interview with Wladyslaw Michalski, Chairman of the Presidium of the People's City Council. Przegl techn 84 no.50:4 15 D '63.

ZUCHNIEWICZ, Wacław

Universal utilization of technological progress in municipal management; interview with Stanisław Sroka, Minister of Municipal Management. Przegl techn 85 no.33:3 16 Ag'64.

ZUCHNIEWICZ, Wacław

After the Poznań Spring Fair; turnovers were dictated by commercial transactions. Przegl techn no.14:10 8 Ap '62.

ZUCHNIEWICZ, Wacław

A well-organized fair with good results. Przegl techn no.39:8
30 8 '62.

ZUCHOWICZ, W.

POWOGAZ, the Poznan Water and Gas Meter Works; its meters have passed the quality test. Przegl techn 84 no.4:10 27 Ja '63.

ZUCHNIEWICZ, Wacław

Care for the metallurgic industry; opinions of members of Parliament
expressed during debates in the Polish Sejm. Przegl techn 85 no.4:5,
9 26 Ja '64.

STANNY, Danuta; ZUCHNIEWICZ, Wacław

Impressions from Moscow. Przegl techn 84 no.23/24:7 9-16 Je '63.

ZUCHOWICZ, Maria

Contribution to the problem of petit mal attacks in children.
Pediat. Pol. 40 no.7:737-738 J1 '65.

1. Z Oddziału Neurologii Dziecięcej im. J. Korczaka Kliniki
Neurologicznej w Gdansk (Kierownik: prof. dr. Z. Majewska).

ZUCHOVICKIJ, M.S.; LEVASOVA, M.A.; RAJCHMAN, A.B.

Principles of evaluation and work assignment in surgical diseases.

VI. Osteoarticular tuberculosis. Lek. obsor 3 no.5:300-302 1954.

(TUBERCULOSIS, OSTEOARTICULAR

med. evaluation of working capacity)

(WORK

capacity, med. evaluation in osteoarticular tuberc.)

(WORKMEN'S COMPENSATION AND INSURANCE

med. evaluation of working capacity in osteoarticular
tuberc.)

SADOWSKI, Jerzy, mgr. inż.; SZUDROWICZ, Barbara, mgr. inż.; STROJNY, Tadeusz,
mgr. inż. arch.; ZUCHOWICZ, Iwona, mgr. inż.

Sound proofing in the construction of dwelling houses. Konstrukcje
Budow inzyn no.19:1-100 '62.

1. Instytut Techniki Budowlanej, Warszawa.

ZUCHOWICS, K.

Polish Technical
Abstract
No. 4, 1953
Transport

2489

629.135.066:621.36

Zuchowics K. Considerations Concerning the Choice of the
Type of Electrical Installations for Aeroplanes.

Rozważania nad wyborem typu instalacji elektrycznej
dla samolotów. Technika Lotnicza. No. 4, 1952, pp. 96--104,
8 figs., 2 tabs.

An attempt is made to compare, from the point of view of
the aircraft designer, several types of essential installations
for aeroplanes with a view to obtaining the best systems,
especially as regards weight. Requirements in aeroplane
electrical installations are dealt with, together with
essential parts--generators, mains and receivers.

ZUCHOWICZ, Kwiryn, mfr inz.

Brushes for electric machines in aviation. Inst lotn prace
no.23155-62 '64.

1. Submitted May 1964.

ZUCHOWICZ, Kwiryn, mgr inz.

Aircraft lighting. Techn lotn 19 no.4:94-98 Ap '65.

ZUCHOWICZ, K.

Alternating-current generators used on aircraft. p.2

TECHNIKA LOTNICZA. (Zwiazek Polskich Inzynierow i Technikow Lotniczych)
Warszawa, Poland. Vol.14, no.1, Jan./Feb. 1959

Monthly List of East European Accessions Index, (EEAI)LC, Vol.8, no.6
June 1959
Uncl.

ZUCHOWICZ, K

"Electric static discharges and airborne radio reception effects and countermeasures."
p. 38 (Technika Lotnicza, Vol. 9, No. 2, Mar./Apr., 1954, Warsaw)

SO: Monthly List of East European Accessions. Library of Congress, Vol. 3, No. 6, June.
1954, Uncl.

POLAND/General Problems of Pathology - Tumors. Comparative
Oncology. Human Neoplasms.

U.

Abs Jour : Ref Zhur - Biol., No 19, 1958, 89713
Author : Zuchowicz, T.
Inst :
Title : Angioma of the Small Intestine as a Cause of Intestinal
Hemorrhage.
Orig Pub : Polski tygod. lekar., 1956, 11, No 44, 1831-1883
Abstract : No abstract.

Card 1/1

- 33 -

ZUCHOWICZ, Tadeusz

Angioma of the small intestine as a cause of hemorrhage.
Polski tygod. lek. 11 no.44:1881-1883 29 Oct 56.

1. (Z I Kliniki Chirurgicznej A.M. w Lodzi; kierownik:
prof. dr. med. M. Stefanowski) adres: Lodzi Al. 1 maja 1 m 4.
(INTESTINE, SMALL, neoplasms,
angioma causing hemorr. (Pol))
(ANGIOMA, case reports,
small intestine, causing hemorrh. (Pol))

ZUCHOWSKA, E.

Haematomyzus elephantis Plaget on Indian elephants (Elephas
maximus L.) in the zoo in Lodz. Wszechwiat no. 5:115 My '64.

1961. Archives Internationales de Paléontologie, Vol 8, No 8, 1961.
1. "On Amplifier Using a Delay-Line," Paul J. WILKIN and Bogdan KLOPOTITSKI pp 371-388 (English summary).
 2. "Analysis of Amplifier Connected to a Complex Control System," Stanislav KLOPOTITSKI pp 389-397 (English summary).
 3. "Some Applications of Directional Systems of Communication Type with the Directional Elements," 2. BUDZISKI pp 398-405 (English summary).
 4. "Signal Signal Parameters in Communications," Jan KLOPOTITSKI pp 406-411 (English summary).
 5. "On a General Method of Analysis of Delay-Constant Systems," Adam KLOPOTITSKI pp 412-420 (English summary).
 6. "Some Characteristics of a Pulse Controlled DC Motor," Jan KLOPOTITSKI pp 421-428 (English summary).
 7. "On Analysis of Following System Operating with DC Motor Controlled with Pulse Modulation," Jan KLOPOTITSKI pp 429-436 (English summary).
 8. "On Properties of the Dynamic Inertia-Partial Elements with Inductive Load," Jan KLOPOTITSKI pp 437-441 (English summary).
 9. "Load Characteristics of Two-Way Relay Systems," Jan KLOPOTITSKI and Stanislaw KLOPOTITSKI pp 442-449 (English summary).
 10. "A Study of Control Properties of Quarter-Derivative Controller with One Kelvin Transfer Function," Stanislav KLOPOTITSKI pp 450-458 (English summary).
 11. "Self-Organizing Ability of Stabilized System Controlled with Pulse Modulation," Stanislav KLOPOTITSKI pp 459-466 (English summary).
 12. "Transient Temperature Distribution of the Parallel Flow Heat Exchanger," Wladyslaw CIERCHONICKI pp 467-480 (English summary).

ACCESSION NR: AP4026370

P/0034/64/000/003/0101/0102

AUTHOR: Zuchowski, Adam (Zhukhovski, A.) (Docent, Doctor of engineering)

TITLE: Dynamic optimization of apparatus for measuring aperiodic signals

SOURCE: Pomiary, automatyka, kontrola, no. 3, 1964, 101-102

TOPIC TAGS: aperiodic signal, non-repetitive signal, aperiodic signal measurement, automatic control, linear electrical system, electric measuring instrument, oscillograph, loop oscillograph, unit step

ABSTRACT: The direct measure of the inaccuracy of measurement apparatus is the value of the difference $X(t) - Y(t)$, where $X(t)$ is the measured signal and $Y(t)$ is the response of the apparatus in the form of a graph on a tape, circular record chart, etc. Owing to computational difficulties, especially with a complex shape of the signal $X(t)$, it is more convenient to operate with the "derived" quantity in relation to the difference $X(t) - Y(t)$, often called the "error signal." Inasmuch as the tested signals $X(t)$ have, as a general rule, limited power and the measurement apparatus is structurally stable, the error signal has limited power, which, as the derived quantity of the difference $X(t) - Y(t)$, can become the criterion for measurement accuracy. The assumption is made that the measuring

Card 1/4

ACCESSION NR: AP4026370

apparatus is characterized by the transient function $K(j\omega)$, joining the spectra of $X(t)$ and $Y(t)$ signals

$$Y(j\omega) = X(j\omega) \cdot K(j\omega) \quad (1)$$

The strength of the error signal can be computed as

$$I^2 = \frac{1}{2\pi} \int_{-\infty}^{\infty} |X(j\omega) - Y(j\omega)|^2 d\omega \quad (2)$$

from where

$$I^2 = \frac{1}{2\pi} \int_{-\infty}^{\infty} |X(j\omega)|^2 \cdot |1 - K(j\omega)|^2 d\omega \quad (3)$$

is obtained by making use of equation (1). Under these conditions, optimization of the measuring apparatus is reduced to a selection of the transient function parameters $K(j\omega, p_i)$ so that the strength of the error signal would attain a minimum, and matching of the apparatus is based on obtaining a definite power level of the error signal under the condition that optimization conditions are fulfilled. The equations leading to optimization are

$$\frac{\partial I^2}{\partial p_i} = 0 \quad i = 1, 2, \dots \quad (4)$$

Card 2/4

ACCESSION NR: AP4026370

which usually define the relationships between the parameters p_1 and the "matching" condition

$$I_{\text{minimum}}^2 \leq \varepsilon$$

defines the values of these parameters. The conditions for optimalization and matching of a loop oscillograph with a transient function of

$$K(j\omega) = \frac{1}{1 - \left(\frac{\omega}{\omega_0}\right)^2 + j2\zeta\left(\frac{\omega}{\omega_0}\right)} \quad (5)$$

and with a unit step of the form $X(j\omega) = 1/j\omega$ are examined by way of an example. Author concludes that this method can be used for a number of other problems as, for instance, optimalization of correcting elements. Orig. art. has: 2 figures and 11 equations.

ASSOCIATION: Politechnika Szczecinska, Katedra Mierriictwa Elektrycznego (Department of Electrical Measurements of the Szczecin Polytechnic Institute)

Card 3/4

ACCESSION NR: AP4026370

SUBMITTED: 00

DATE ACQ: 15Apr64

ENCL: 00

SUB CODE: EE

NO REF SOV: 001

OTHER: 003

Card 4/4

ZUCHOWSKI, Adam

A method of analyzing relay-contact networks. Archiw automat 6 no.4:
423-434 '61.

1. Politechnika Szczecińska, Katedra Miernictwa Elektrycznego.
(Radio relay systems)

METAL, Artur, doc.; ZUCHOWSKI, Adam, dr.inz.; BODZIAK, Kazimierz,
mgr.inz.

High overload permitting rail ampere meters. Pomiary automatyka
kontrola 8 no 2:59-60 F '62.

1. Instytut Elektrotechniki, Zaklad Automatyki i Miarownictwa,
Pracownia Masowych Przyrzadow, Szczecin (for Metal and Zuchowski).
2. Zaklad Lumel, Zielona Gora (for Bodziak).

ZUCHOWSKI, Adam, dr inż.

The optimization problem of dynamic parameters of measuring instruments. Pomiary 8 no.9:403-406 S '62.

1. Katedra Miernictwa Elektrycznego, Politechnika, Szczecin.

9,7150

P/031/61/000/004/005/010
D242/D301

AUTHOR: Zuchowski, Adam

TITLE: A certain method of analyzing contact relay systems

PERIODICAL: Archiwum automatyki i telemechaniki, v. 6, no. 4, 1961,
423-434

TEXT: The author introduces the concept of logical functions of "and," "or" and "not" using Boolean algebra. To analyze a logical circuit using magnetic relays, he proposes using the unit step function. Several rules are established enabling the expression of logical function in a purely mathematical way. One of the advantages of this method is the fact that the time factor is taken into consideration. There are, however, several serious disadvantages. The method does not take into consideration the characteristics of relays. It is difficult to interpret the results except in simple cases. The method becomes very involved for the more

Card 1/2

A certain method...

complicated cases. The author demonstrates the use of the method in designing non-reversible asynchronous counters. There are 11 figures, 1 table and 6 Soviet-bloc references.

ASSOCIATION:

Politechnika Szczecińska. Katedra miernictwa elektrycznego (Politechnic Institute of Szczecin, Department of Electrical Measurements) ✓

SUBMITTED:

May 15, 1961

Card 2/2

ZUCHOWSKI, Ryszard, dr inż.

Determination of the relationship between absorption and dispersion of gamma rays and elastic and plastic strain. Przegł mech 24 no.10: 310 25 My '65.

1. Department of Technical Mechanics of Wrocław Technical University.

ZUCHOWSKI, Ryszard, mgr inż., st. asystent

Torsion as a way of working to increase the tensile strength properties. Przegl mech 22 no. 16:509-511 25 Ag '63.

1. Katedra Mechaniki Technicznej, Politechnika, Wrocław.

ZUCHOWSKI, Z.

Will the Congress of Polish Engineers and Technicians help the builders in overcoming their difficulties? p. 41. (Przegląd Budowlany, Vol. 29, No. 2, Feb 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

ZUCHOWSKI, Zdzislaw (Warszawa)

Building industry in the Rumanian People's Republic. Przegl budowl
i bud mieszk 34 no.2:89-91, 101 F '62.

ZUCHOWSKI, Zdzislaw (Warszawa)

Before the 4th Congress of Polish Engineers and Technicians.
Przegl budowl i bud mieszk. 33 no.1:2-4 Ja '61

KIERSKI, Boleslaw (Warszawa); ZUCHOWSKI, Zdzislaw (Warszawa)

Construction of a dwelling project in France by means of the
ESTIOT large panel method. Przegl budowl i bud mieszk 34
no.10:587-593 0 '62.

ZUCHOWICZ, K.

The problem of brushes for high-altitude engines.

p. 134 (Technika Lotnicza. Vol. 12, no. 5, Sept./Oct. 1957. Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

ZUCHOWSKI, A.

TECHNOLOGY

PERIODICAL: POMIARY, AUTOMATYKA, KONTROLA. Vol. 4, no. 8, Aug. 1958.

ZUCHOWSKI, A.: Specifications of electric measuring instruments. p. 359.

Monthly List of East European Accessions (EEA) LC Vol. 8, no. 4, April 1959, Unclass.

ZUCHOWSKI, Z.

TECHNOLOGY

Periodicals: PRZEGLAD TECHNICZNY. Vol. 79, no. 17, Sept. 1958

ZUCHOWSKI, Z. Problem of technical expertness in the associations of the Central Technical Organization. p. 823.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 2,
February 1959, Unclass.

ZUCHOWSKI, Z.

TECHNOLOGY

Periodicals: PRZEGLAD TECHNICZNY. Vol. 79, no. 19, Sept. 1958

ZUCHOWSKI, Z. Understanding committees of the Central Technical Organization.
p. 811

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 2,
February 1959, Unclass.

RUMANIA/Human and Animal Physiology - Nervous System.
Epilepsy.

11-10

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32174

Author : Zuckerman, E.

Inst : -

Title : Study of the Mechanism of the Appearance and Cessation of
Convulsions Caused by Focal Stimulation. Pharmacodyna-
mic Investigation.

Orig Pub : Studii si cercerari neurol. Acad. RPR. Inst. neurol.,
1956, 1, No 3-4, 373-386.

Abstract : During the action of luminal (I) in doses (25 γ/kg) that
do not change the threshold convulsion caused in rats by
stimulation of the motor region of the cortex, there were
observed: a decrease of the length of attack, change of
character of the clonic movements, and lengthening of the
period of excitability-restoration in the chain of neurons.
During higher doses of I, the threshold for the appearance

Card 1/2

- 119 -

RUMANIA/Human and Animal Physiology - Nervous System.
Cortex of Cerebral Hemispheres.

T-10

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32154

Author : Zuckerman, E.

Inst : -

Title : Characteristic Signs of Focal Spasm Attack Caused by
Stimulation of Different Layers of the Cerebral Cortex.

Orig Pub : Fiziol. norm. si patol., 1957, 4, No 3, 240-244.

Abstract : During bipolar stimulation of electrodes implanted in
different layers of the brain in 40 rats, it developed
that both cortical spasm discharges and attacks of spasms
appear more easily during stimulation of deep layers (V,
VI) of the cerebral cortex than during stimulation of
surface layers (I-III).

Card 1/1

- 109 -

RUMANIA/Human and Animal Physiology (Normal and Pathological). T
Nervous System. Higher Nervous Activity. Behavior.

Abs Jour: Ref Zhur-Diol., No 17, 1958, 80045.

Author : Zuckermann, A.; Stoica, E.; Strungaru, Gr.

Inst :

Title : Change of Food Excitability Depending on Cortical
Tonus.

Orig Pub: Studii si cercetari fiziol. Acad. RPR, 1956, 1,
No 3-4, 431-440.

Abstract: A stereotype of conditioned salivary reflexes with
food reinforcement and a stereotype of motor reflexes
were formed in 5 dogs. Normal food weight did not
impair the excitability of the food center, if the
motor activity of the animal prevented the experience

Card : 1/2

ZUCZKIEWICZ, S.

ZUCZKIEWICZ, S.

Chemistry or metallurgy.

P. 193 (Chemik) Vol. 10, No. 7/8, July 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC VOL. 7, NO. 1, JAN. 1958

ZUCZKIEWICZ, Stanislaw, mgr inz.

Principles of preparing prospective and five-year economic plans. Chemik 15 no.12:432-435 D '62.

ZUCZKIEWICZ, S.

"Location of nitrogen plants and shipping costs."

p. 44 (Chemik) Vol. 10, no. 2, Feb. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

ZUCZKIEWICZ, Stanislaw, mgr inż.

Investments in the chemical industry. Chemik 15 no.7/8:239-241
Jl-Ag '62.

1. Zjednoczenie Przemyslu Syntezy Chemicznej, Gliwice.

ZUCHOWSKI, W.

"Solubility of Albumin as the Criterion of its Usefulness for Production of Glues for Veneer", p. 14, (PRZEMYSŁ DRZEWNY, Vol. 5, No. 12, Dec. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

ZUCHOWSKI, W.

"New Substitutes for Albuminous Raw Materials for Glue", p. 16, (PRZEMYSŁ
DRZEWNY, Vol. 5, No. 11, Nov. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,
May 1955, Uncl.

ZUCHOWSKI, Z.

Building problems at the International Leipzig Fair. p. 253

PRZEGLAD BUDOWLANY

Warszawa

Vol. 27, no.7, July 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

ZUCHOWSKI, Z.

"Problems of Sanitary Installations in Building Construction in the Soviet Union," P. 290. (GAZ, WODA I TECHNIKA SANITARNA, Vol. 28, No. 10, Oct. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

ZUCHOWSKI, Zdzislaw, mgr.ins.

Development trends of building techniques in Poland. Przegl
techn 79 no.5:166-169 Mr '58.

ZUCHOWSKI, Zdzislaw

Zdzislaw ZUCHOWSKI, Magister Engineer, "Trends in the Development of Construction Technology in Poland," Przegląd Techniczny, No. 5, March 1958, Warsaw, pp. 166-170.

SO: JPRS/DC-L-1025, 3 Nov 58, Uncl.

ZUCHOWSKI, Z.; URBAN, L.

Second quarterly conference of head engineers of central committees and associations of municipal building. p. 130. (PRZEGLAD BUDOWLANY, Vol. 26, No. 5, May 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 3, No. 12, Dec. 1954, Uncl.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065610013-7

SECRET, CONFIDENTIAL

SECRET

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065610013-7"

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48